# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Sunday 17 Dec 2023 until 23:59 on Monday 18 Dec 2023

Forecast Issued on Saturday 16 Dec 2023 at 11:09

**Confidence:** High confidence for general weather pattern, lower for rainfall detail by Tuesday.

**Headline for Sunday 17 Dec 2023:** Cloudy and windy, rain arriving late evening.

**Mountain weather hazards on Sunday 17 Dec 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>Low Likelihood | **Poor visibility**<br>No Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Cloudy | Cloudy | Cloudy | Cloudy | Cloudy | Cloudy | Cloudy | Light rain |
| Precipitation probability | | | | | | | |
| 20% | 20% | 20% | 20% | 20% | 20% | 20% | 40% |

**Forecast for Sunday 17 Dec 2023**

**Weather:** It will be a cloudy day but staying mostly dry, chance of the odd spot of drizzle, best chance of brighter spells during the afternoon. By late evening rain will start to push southwards over the area, turning heavy later. Strong winds throughout.

**Chance of cloud-free hill tops above 600m:** 20%

**Low cloud and visibility:** Broken low cloud base 500-700m throughout. Visibility good at low levels but poor in hill fog.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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# Mountain Weather Forecast

**Forecast for Sunday 17 Dec 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 29/40 SW | 29/40 SW | 28/39 SW | 28/39 SW | 29/41 SW | 29/41 SW | 27/39 SW | 27/38 SW | 26/37 SW |
| **300** | 19/29 SW | 19/29 SW | 20/29 SW | 19/29 SW | 19/28 SW | 20/31 SW | 18/29 SW | 18/29 SW | 18/29 SW |
| **Valley** | 11/26 SW | 12/26 SW | 12/27 SW | 11/26 SW | 13/27 SW | 13/29 SW | 12/26 SW | 12/27 SW | 12/26 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 6/0 | 6/0 | 5/-1 | 4/-2 | 5/-1 | 6/-0 | 6/-0 | 6/0 | 6/-0 |
| **300** | 8/4 | 8/4 | 7/2 | 6/2 | 7/3 | 8/4 | 8/4 | 8/4 | 8/4 |
| **Valley** | 9/6 | 8/6 | 8/4 | 7/4 | 8/5 | 9/6 | 8/5 | 8/6 | 8/5 |
| **Freezing Level*** | 2100m | 2100m | 2000m | 1900m | 2100m | 2000m | 2000m | 2000m | 2500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Strong winds, particularly at height, will hamper progress.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 15:00 on Sat 16 Dec 2023 | 0mm | 0mm | 19.3mm |

**Forecast for Monday 18 Dec 2023**

**Weather:** Another cloudy day with heavy rain at first, this easing into the afternoon but light rain persisting. Drier by late evening with skies clearing for a time.

**Maximum wind:** Southwest 15-20 mph gusting 30-40 mph, easing through the day.

**Chance of cloud-free hill tops above 600m:** 20-30%, improving to 80% late evening.

**Low cloud and visibility:** Broken low cloud base 500-700m, lowering 400m at times, clearing late evening. Visibility moderate or poor in rain and hill fog, improving to good late evening.

**Temperature:** **Valleys:** Plus 8 to 12 Celsius
**At 600m:** Plus 6 to 9 Celsius
**Freezing level:** Above summits

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